In the Specification

Please add new paragraph **[0010.5]** shown below.

SUMMARY OF THE INVENTION

[0010.5] Template patterns in accordance with the present invention can include one or more marker-zones printed to a reference surface of a disk for determining gross-position along a stroke of a read head connected with a rotary actuator. The one or more marker-zones can be printed or otherwise written to a portion of the reference surfaces as one or more pulses. In one embodiment, each pulse can trace the motion of the stroke along at least a portion of the radius of the reference surface. A pulse can identify a marker-zone edge when a di-bit (a transition pair representing a pulse) disappears at some radius from center of the disk. At a radius closer to the center of the disk, the di-bit can abruptly reappear so that the pulse is continued. The interruption in the radial continuity of the magnetized pulse defines the marker-zone and can be any length.

Please add new paragraph **[0012]** shown below.

[0012] A rotary actuator **130** is pivotally mounted to the housing base **104** by a bearing **132** and sweeps an arc between an inner diameter (ID) of the disk and a ramp ~~**130**~~ **150** positioned near an outer diameter (OD) of the disk **108**. Attached to the housing **104** are upper and lower magnet return plates **110** and at least one magnet that together form the stationary portion of a voice coil motor (VCM) **112**. A voice coil **134** is mounted to the rotary actuator **130** and positioned in an air gap of the VCM **112**. The rotary actuator **130** pivots about the bearing **132** when current is passed through the voice coil **134** and pivots in an opposite direction when the current is reversed, allowing for precise positioning of the head **146** along the radius of the disk **120**. The VCM **112** is coupled with a servo system (not shown) that uses positioning data read by the head **146** from the disk **120** to determine the position of the head **146** over tracks on the disk **120**. The servo system determines an appropriate current to drive through the voice coil **134**, and drives the current through the voice coil **134** using a current driver and associated circuitry (not shown).